

### CLAIMS

1. Process for waterproofing leather (1), characterized in that it comprises pressing on the internal surface of the leather (1) at least one semi-permeable membrane (2) whose surface contacting the leather (1) is provided with a glue pattern.
2. Process according to the preceding claim, characterized in that the glue pattern of the semi-permeable membrane (2) is thermoadhesive, and that the pressing of said membrane on the leather (1) is a hot-pressing.
3. Process according to any of the preceding claims, characterized in that the semi-permeable membrane (2) is not porous and carries out the water vapor passage by osmosis.
4. Process according to any of the preceding claims, characterized in that said semi-permeable membrane (2) is elastic with a grade of elongation higher than 50%.
5. Process according to any of the preceding claims, characterized in that said semi-permeable membrane (2) is made of polyurethane.
6. Process according to any of the preceding claims, characterized in that said semi-permeable membrane (2) has a thickness included between 5  $\mu\text{m}$  and 100  $\mu\text{m}$ .
7. Process according to any of the preceding claims, characterized in that said semi-permeable membrane (2) is combined with a support sheet (3).
8. Process according to the preceding claim, characterized in that the support sheet (3) is made of fabric and is firmly fastened to the membrane (2).
9. Process according to any of the preceding claims, characterized in that the glue pattern is formed of a multiplicity of dots having a diameter included between 0,1 mm and 0,8 mm.
10. Process according to any of the preceding claims, characterized in that the glue pattern is formed of a multiplicity of dots having a density included between 50 dots/cm<sup>2</sup> and 200 dots/cm<sup>2</sup>.
11. Leather (1) characterized in that it is waterproofed by a process according to

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one of the preceding claims.

12. Leather according to the preceding claim, characterized in that it is made of two or more pieces sewed together.
13. Shoe characterized in that it comprises an upper of waterproofed leather according to claim 11 or 12.
14. Shoe characterized in that it comprises a sole of waterproofed leather according to claim 11.

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